

<b>UTILITY PATENT APPLICATION TRANSMITTAL</b> <i>(Only for new nonprovisional applications under 37 C.F.R. 1.53(h))</i>	Attorney Docket No.	1880-031569
	First Inventor	William H. Howland, Jr. et al.
	Title	METHOD AND APPARATUS FOR DETERMINING . . .
	Express Mail Label No.	EL 971281224 US

<b>APPLICATION ELEMENTS</b> <i>See MPEP chapter 600 concerning utility patent application contents.</i>	<b>ADDRESS TO:</b> Commissioner For Patents Mail Stop Patent Application P.O. Box 1450 Alexandria VA 22313-1450
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1. <input checked="" type="checkbox"/> Fee Transmittal Form (e.g., PTO/SB/17) <i>(Submit an original and a duplicate for fee processing)</i> 2. <input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. 3. <input checked="" type="checkbox"/> Specification [Total Pages <b>19</b> ] <i>(preferred arrangement set forth below)</i> - Descriptive title of the invention - Cross Reference to Related Applications - Statement Regarding Fed sponsored R & D - Reference to sequence listing, a table, or a computer program listing appendix - Background of the Invention - Brief Summary of the Invention - Brief Description of the Drawings <i>(if filed)</i> - Detailed Description - Claim(s) - Abstract of the Disclosure 4. <input checked="" type="checkbox"/> Drawing(s) (35 U.S.C. 113) [Total Sheets <b>4</b> ] 5. Oath or Declaration [Total Pages <b>2</b> ] a. <input checked="" type="checkbox"/> Newly executed (original or copy) b. <input type="checkbox"/> Copy from a prior application (37 CFR 1.63(d)) <i>(for continuation/divisional with Box 18 completed)</i> i. <input type="checkbox"/> <b>DELETION OF INVENTOR(S)</b> Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b). 6. <input type="checkbox"/> Application Data Sheet. See 37 CFR 1.76	7. <input type="checkbox"/> CD-ROM or CD-R in duplicate, large table or Computer Program <i>(Appendix)</i> 8. Nucleotide and/or Amino Acid Sequence Submission <i>(if applicable, all necessary)</i> a. <input type="checkbox"/> Computer Readable Form (CRF) b. Specification Sequence Listing on: i. <input type="checkbox"/> CD-ROM or CD-R (2 copies); or ii. <input type="checkbox"/> Paper c. <input type="checkbox"/> Statements verifying identity of above copies
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## ACCOMPANYING APPLICATION PARTS

- |   |  |
|---|--|
| 9. <input checked="" type="checkbox"/> Assignment Papers (cover sheet & document(s))  |  |
| 10. <input type="checkbox"/> 37 CFR 3.73(b) Statement <input type="checkbox"/> Power of Attorney<br><i>(when there is an assignee)</i>              |  |
| 11. <input type="checkbox"/> English Translation Document <i>(if applicable)</i>  |  |
| 12. <input type="checkbox"/> Information Disclosure Statement (IDS)/PTO-1449 <input type="checkbox"/> Copies of IDS Citations                       |  |
| 13. <input type="checkbox"/> Preliminary Amendment  |  |
| 14. <input checked="" type="checkbox"/> Return Receipt Postcard (MPEP 503)<br><i>(Should be specifically itemized)</i>                              |  |
| 15. <input type="checkbox"/> Certified Copy of Priority Document(s)<br><i>(if foreign priority is claimed)</i>                                      |  |
| 16. <input type="checkbox"/> Nonpublication Request under 35 U.S.C. 122<br>(b)(2)(B)(i). Applicant must attach form PTO/SB/35 or<br>its equivalent. |  |
| 17. <input checked="" type="checkbox"/> Other: <u>Checks for \$385.00 and \$40.00</u>   |  |

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in the first sentence of the specification following the title, or in an Application Data Sheet under 37 CFR 1.76:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No: \_\_\_\_/\_\_\_\_

Prior application information: Examiner \_\_\_\_\_ Art Unit: \_\_\_\_\_

For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

## 19. CORRESPONDENCE ADDRESS

<input checked="" type="checkbox"/> Customer Number or Bar Code Label	<b>28289</b>	or <input type="checkbox"/> Correspondence address below
(Insert Customer No. or Attach bar code label here)		

Name	William H. Logsdon				
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Name (Print/Type)	William H. Logsdon	Registration No. (Attorney/Agent)	22,132
Signature	<i>William H. Logsdon</i>	Date	December 30, 2003

This collection of information is required by 37 CFR 1.53(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you are required to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

16834 U.S. PTO  
10/749031  
123003

15866 U.S. PTO  
123003

**PATENT APPLICATION TRANSMITTAL LETTER**

Mail Stop Patent Application  
 Commissioner for Patents  
 P.O. Box 1450  
 Alexandria, VA 22313-1450

Transmitted herewith for filing is the patent application of: WILLIAM H. HOWLAND, JR. and  
 CHRISTINE E. KALNAS

Entitled: **"METHOD AND APPARATUS FOR DETERMINING THE DIELECTRIC CONSTANT  
 OF A LOW PERMITTIVITY DIELECTRIC ON A SEMICONDUCTOR WAFER"**

Small Entity Status:

☐ Small Entity Statement under 37 CFR 1.27 is enclosed  
☒ Small Entity Status is asserted for this application under 37 CFR 1.27

Enclosed are: ☒ 19 pages of Specification (comprising 7 pages of Claims and a 1 page Abstract)  
 and 4 pages of drawings  
☒ An Assignment of the invention to: Solid State Measurements, Inc.  
☒ Declaration  
☐ Non-Publication Request Under 35 U.S.C. §122(b)(2)(B)(i)

**CLAIMS AS FILED**

	<u>No. Filed</u>	<u>No. Extra</u>	<u>Small Entity Rate</u>	<u>Non-Small Entity Rate</u>	<u>Charge</u>
Total					
Claims	<u>18</u>	<u>-20 = 0</u>	x \$ 9.00	x \$ 18.00	\$ <u>0</u>
Indep.					
Claims	<u>3</u>	<u>-3 = 0</u>	x \$ 43.00	x \$ 86.00	\$ <u>0</u>
Multiple Dependent Claim/s			+ \$145.00	+ \$290.00	\$ <u>0</u>
Basic Fee			+ \$385.00	+ \$770.00	\$385.00
			Total of above Charges		\$385.00
			Total Fee		\$385.00

Checks in the amounts of \$385.00 and \$40.00 are enclosed to cover the filing fee and the Assignment recordal fee.

The Commissioner is hereby authorized to charge payment of any additional filing fees required under 37 CFR 1.16 or patent application processing fees under 37 CFR 1.17 associated with this communication to Deposit Account No. 23-0650. Please refund any overpayment to Deposit Account No. 23-0650.

An original and two copies of this sheet are enclosed.

December 30, 2003

Date

By

William H. Logsdon

Registration No. 22,132

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PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF:

ATTORNEY'S DOCKET NUMBER

**WILLIAM H. HOWLAND, JR.  
and CHRISTINE E. KALNAS**

**1880-031569**

ENTITLED

**"METHOD AND APPARATUS FOR DETERMINING THE DIELECTRIC  
CONSTANT OF A LOW PERMITTIVITY DIELECTRIC ON A SEMICONDUCTOR  
WAFER"**

Mail Stop Patent Application  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**EXPRESS MAIL CERTIFICATE**

"Express Mail" Label Number EL 971281224 US

Date of Deposit December 30, 2003

I hereby certify that the following attached paper(s) and/or fee(s):

**PATENT APPLICATION TRANSMITTAL LETTER (1 p., original and two (2) copies);  
UTILITY PATENT APPLICATION TRANSMITTAL (1 p.);  
SPECIFICATION (19 pp.) (comprising CLAIMS (7 pp.) and ABSTRACT (1 p.));  
DRAWINGS (4 sheets);  
DECLARATION AND POWER OF ATTORNEY (2 pp);  
RECORDATION FORM COVER SHEET (1 p.); ASSIGNMENT (1 p.);  
and checks in the amounts of \$385.00 and \$40.00.**

are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. §1.10 on the date indicated above and are addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Deborah L. Medves

(Typed name of person mailing paper or fee)

Deborah L. Medves

(Signature of person mailing paper or fee)